

Please add the following new claims:

--11. The telephone communication system according to claim 2, wherein the functions of each telephone set are executed on a personal computer.

12. The telephone communication system according to claim 3, wherein the functions of each telephone set are executed on a personal computer.

13. The telephone communication system according to claim 2, wherein the functions of each telephone set are executed with an IVR (interactive voice response) unit or a facsimile data server or a voice recognition dialer or a voice mail.

14. The telephone communication system according to claim 3, wherein the functions of each telephone set are executed with an IVR (interactive voice response) unit or a facsimile data server or a voice recognition dialer or a voice mail.

15. The telephone set according to claim 2, which comprises:

a ten-key unit having dial keys and a function key for indicating an internet telephone service;

a display unit for displaying a call arrival notification and results of various processes in the telephone set;

an accumulating unit for storing telephone number data and access identifier data of internet connection points to be connected by the calling and called sides;

a voice codec to be started by a command for voice communication in the internet; and

a telephone set control unit for detecting depressed push-buttons in the ten-key unit, obtaining the connection point data from the accumulating unit, sending out dial data and connection point data via the public network, starting the voice codec when the dialed side has been connected to the internet service provider network and, upon arrival of a call, retrieving for the connection point data of the calling side, effecting connection of the own side to the internet service provider network by retrieving and

referring to the accumulating unit according to the connection point data and informing the calling side of connection.

16. The telephone set according to claim 3, which comprises:

a ten-key unit having dial keys and a function key for indicating an internet telephone service;

a display unit for displaying a call arrival notification and results of various processes in the telephone set;

an accumulating unit for storing telephone number data and access identifier data of internet connection points to be connected by the calling and called sides;

a voice codec to be started by a command for voice communication in the internet; and

a telephone set control unit for detecting depressed push-buttons in the ten-key unit, obtaining the connection point data from the accumulating unit, sending out dial data and connection point data via the public network, starting the voice codec when the dialed side has been connected to the internet service provider network and, upon arrival of a call, retrieving for the connection point data of the calling side, effecting connection of the own side to the internet service provider network by retrieving and referring to the accumulating unit according to the connection point data and informing the calling side of connection.

17. The telephone communication system according to claim 2, wherein each telephone set further comprises an encryption unit for permitting exchange of connection point data in terms of ciphers.

18. The telephone communication system according to claim 3, wherein each telephone set further comprises an encryption unit for permitting exchange of connection point data in terms of ciphers.--